

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM0560289

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
BURTON FLAT DEEP UNIT 61H

2. Name of Operator
DEVON ENERGY PRODUCTION CO
Contact: TRINA C COUCH
Email: trina.couch@dvn.com

9. API Well No.
30-015-43136-00-X1

3a. Address
333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-228-7203

10. Field and Pool, or Exploratory
AVALON

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 2 T21S R27E NWSW 2050FSL 100FWL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, L.P. respectfully requests to downgrade our production string from P110 to L80 in order to reduce inventory due to a lower than anticipated treating pressures in the 2nd Bone Spring Sand.

Attached is the revised drilling plan

Thank you!

Original COAs Still Stand 7/23/15
Accepted for record
MAJCO

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 25 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #305606 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 06/19/2015 (15JAS0407SE)

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/18/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE / JUN 19 2015

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Devon Energy Production Company, L.P., Burton Flat Deep Unit/61H

1. Geologic Name of Surface Formation: Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated FW, Oil, or Gas:

a. Fresh Water	50'	
b. Rustler	45'	Barren
c. Salado	232'	Barren
d. Base of Salt	412'	Barren
e. Tansil	467'	Barren
f. Yates	577'	Barren
g. Capitan	817'	Barren
h. Capitan Base	2,602'	Barren
i. Delaware	2,827'	Oil/Gas
j. Lower Brushy Canyon	5,005'	Oil/Gas
k. 1st Bone Spring Lime	5,253'	Oil/Gas
l. 1st Bone Spring Sand	6,495'	Oil/Gas
m. 2nd Bone Spring Sand	7,208'	Oil/Gas
n. 2BSSS UPPER TOP	7,212'	Oil/Gas
o. 2BSSS UPPER BASE	7,315'	Oil/Gas
p. 2BSSS MID TOP	7,340'	Oil/Gas
q. 2BSSS MID BASE	7,389'	Oil/Gas
r. 2BSSS LWR TOP	7465'	Oil/Gas
s. 2BSSS LWR BASE	7644'	Oil/Gas
Total Depths	7452' TVD	12521' MD

3. Pressure Control Equipment:

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the intermediate hole will be tested per BLM Onshore Oil and Gas Order 2.

A 3M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the intermediate casing shoe. The BOP system used to drill the production hole will be tested per BLM Onshore Oil and Gas Order 2.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line); **if an H&P rig drills this well. Otherwise no flex line is needed.** The line will be kept as straight as possible with minimal turns.

Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

4. Casing Program:

Hole Size	Hole Interval	Casing OD	Casing Interval	Weight (lb/ft)	Collar	Grade	Collapse Design Factor	Burst Design Factor	Tension Design Factor
26"	0 - 200' ^{300'}	20"	0 - 200' ^{300'}	94	BTC	J-55	5.21	21.13	74.57
17-1/2"	200-775'	13-3/8"	0-775'	68	BTC	J/K-55	4.84	8.56	21.63
12-1/4"	775-2800'	9-5/8"	0-2800'	40	LTC	J-55	1.96	3.01	4.64
8-3/4"	2800-12521'	5-1/2"	2800-12521'	17	BTC	L80	1.70	1.10	1.89

Casing Notes:

- All casing is new and API approved

Maximum Lateral TVD: 7587'

5. Proposed mud Circulations System:

Depth	Mud Weight	Viscosity	Fluid Loss	Type System
0-200'	8.4-9.0	30-34	N/C	FW
200-2800'	10.0-10.2	28-32	N/C	Brine
2800-12521'	8.6-9.0	28-32	N/C	FW

The necessary mud products for weight addition and fluid loss control will be on location at all times. Visual mud monitoring equipment will be in place to detect volume changes indicating loss, or gain of circulating fluid volume. If abnormal pressures are encountered, electronic/mechanical mud monitoring equipment will be installed.

6. Cementing Table:

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
20" Surface Casing	520	14.8	6.34	1.34	Tail	Class C Cement + 1% Calcium Chloride + 64.2% Fresh Water
13-3/8" 1 st Intermediate Casing	780	14.8	6.34	1.33	Tail	Class C Cement + 1% Calcium Chloride + 64.2% Fresh Water
9-5/8" 2 nd Intermediate	450	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	430	14.8	6.34	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
9-5/8" 2 nd Intermediate Casing Two Stage	440	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	220	14.8	6.34	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
	DV Tool at 825ft					
	60	12.9	9.82	1.85	Lead	(65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water
	140	14.8	6.32	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
5-1/2" Production Casing	490	10.4	3.13	16.8	Lead	Tuned Light Cement® + 0.125 lb/sk + 71.7% Fresh Water
	1390	14.5	5.32	1.21	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.25% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water

TOC for all Strings:

20" Surface Casing	0ft
13-3/8" 1 st Intermediate Casing	0ft
9-5/8" Intermediate	0ft
9-5/8" 2 nd Intermediate Casing Two Stage Option	1 st Stage = 825ft 2 nd Stage = 0ft
5-1/2" Production Casing	2300ft

Notes:

- Cement volumes Surface 100%, Intermediate #1 100%, Intermediate #2 75% and Production Casings based on at least 25% excess.
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data.

7. Logging, Coring, and Testing Program:

- a. Drill stem tests will be based on geological sample shows.
- b. If a drill stem test is anticipated, a procedure, equipment to be used, and safety measures will be provided via sundry notice to the BLM.
- c. No logs are planned.
- d. No coring program is planned
- e. Additional Testing will be initiated subsequent to setting the production casing. Specific intervals will be targeted based on log evaluation (if applicable), geological sample shows, and drill stem tests.

8. Potential Hazards:

- a. No abnormal pressures or temperatures are expected. There is no known presence of H₂S in this area, and none is anticipated to be encountered. If H₂S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation being used to drill this well. Estimated BHP: 3353 psi, and estimated BHT: 122 degrees.
- b. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production string is cemented. Breathing equipment will be on location upon drilling the surface casing shoe until total depth is reached.

9. Anticipated Starting Date and Duration of Operations:

- a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 20 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.